

What is Claimed is:

1. A foldable stroller, comprising:

a foldable supporting frame;

a handle frame comprising two pivot arms extending downwardly;

5 two folding joints for pivotally connecting two lower ends of said pivot arms to two sides of said supporting frame respectively;

an engagement unit comprising two first engaging members provided at two lower ends of said pivot arms of said handle frame respectively and two second engaging members provided at said two folding joints and securely engaged with said two first
10 engaging members respectively, so as to lock up said handle frame with respect to said supporting frame; and

a one-hand operational control device, said one-hand operational control device comprising:

a turn switch which is arranged to drive said first engaging members to
15 disengage with said second engaging members respectively, said turn switch comprising a central shaft and a turning handle, wherein said central shaft has a pusher cavity and is firmly and coaxially mounted between two upper ends of said pivot arms, wherein said turning handle, which has a guiding slot and one or more blocking walls inwardly extended towards said pusher cavity, is rotatably and coaxially mounted on said central
20 shaft and arranged to drive said first engaging members to disengage with said second engaging members respectively;

a locking unit comprising a locking latch disposed in said pusher cavity of said turn switch in a slidably movable manner and a finger trigger extended from said locking latch to outside through said guiding slot; and

25 a resilient unit, which is disposed in said pusher cavity, applying an urging pressure against said locking latch so as to normally retain said locking latch in a locking

position, wherein in said locking position, a locking portion of said locking latch is extended outwardly and blocked by said blocking walls to block any rotation of said turn switch, so as to lock said foldable stroller from being folded up;

5 wherein said locking latch is arranged to be driven by said finger trigger to move from said locking position to an unlocked position, wherein in said unlocked position, said locking portion of said locking latch is moved away from said blocking walls of said turn switch so that said turn switch is unblocked and free to rotate with respect to said pivot arms to disengage said first engaging members with said second engaging members respectively.

10 2. A foldable stroller, as recited in claim 1, wherein said locking latch is slidably fitted in said pusher cavity in a perpendicularly movable manner with respect to said central shaft, wherein said resilient unit is provided between a bottom surface of said pusher cavity and said locking latch to urge and retain said locking latch in an outer position that an outer end of said locking latch is extended to said blocking walls of said
15 turning handle so as to block said turning handle from being rotated with respect to said pivot arms, wherein said finger trigger is arranged to inwardly move said locking latch into said pusher cavity until said outer end of said locking latch is moved away from said blocking wall of said turning handle.

20 3. A foldable stroller, as recited in claim 1, wherein said engagement unit further comprises at least an elongated element coupled with said turning handle of the turn switch and provided with two control ends extended to firmly connect with said first engaging members respectively in such a manner that when said turning handle is rotated forward with respect to said pivot arms, said first engaging members are disengaged with said second engaging members respectively via said elongated element.

25 4. A foldable stroller, as recited in claim 2, wherein said engagement unit further comprises at least an elongated element coupled with said turning handle of the turn switch and provided with two control ends extended to firmly connect with said first engaging members respectively in such a manner that when said turning handle is rotated forward with respect to said pivot arms, said first engaging members are disengaged with
30 said second engaging members respectively via said elongated element.

5 5. A foldable stroller, as recited in claim 3, wherein said central shaft further has two windows formed thereon to communicate with an interior of said central shaft, wherein said two control ends of the elongated element are extended into said interior of said central shaft via said windows and pass through said pivot arms to engage with said first engaging members respectively.

10 6. A foldable stroller, as recited in claim 4, wherein said central shaft further has two windows formed thereon to communicate with an interior of said central shaft, wherein said two control ends of the elongated element are extended into said interior of said central shaft via said windows and pass through said pivot arms to engage with said first engaging members respectively.

15 7. A foldable stroller, as recited in claim 1, wherein said supporting frame comprises a front frame, a back frame pivotally connected to said front frame and a seat frame pivotally supported by said front and back frames in such a manner that when said handle frame is pivotally moved forward, said back frame is arranged to pivotally fold towards to said front frame so as to fold up said foldable stroller.

20 8. A foldable stroller, as recited in claim 2, wherein said supporting frame comprises a front frame, a back frame pivotally connected to said front frame and a seat frame pivotally supported by said front and back frames in such a manner that when said handle frame is pivotally moved forward, said back frame is arranged to pivotally fold towards to said front frame so as to fold up said foldable stroller.

25 9. A foldable stroller, as recited in claim 4, wherein said supporting frame comprises a front frame, a back frame pivotally connected to said front frame and a seat frame pivotally supported by said front and back frames in such a manner that when said handle frame is pivotally moved forward, said back frame is arranged to pivotally fold towards to said front frame so as to fold up said foldable stroller.

30 10. A foldable stroller, as recited in claim 6, wherein said supporting frame comprises a front frame, a back frame pivotally connected to said front frame and a seat frame pivotally supported by said front and back frames in such a manner that when said handle frame is pivotally moved forward, said back frame is arranged to pivotally fold towards to said front frame so as to fold up said foldable stroller.

11. A foldable stroller, as recited in claim 1, wherein said finger trigger has a W-shape to form a W-shaped gripping surface for allowing a user's fingers to fittedly grip thereon.
12. A foldable stroller, as recited in claim 2, wherein said finger trigger has a W-shape to form a W-shaped gripping surface for allowing a user's fingers to fittedly grip thereon.
13. A foldable stroller, as recited in claim 4, wherein said finger trigger has a W-shape to form a W-shaped gripping surface for allowing a user's fingers to fittedly grip thereon.
14. A foldable stroller, as recited in claim 6, wherein said finger trigger has a W-shape to form a W-shaped gripping surface for allowing a user's fingers to fittedly grip thereon.
15. A foldable stroller, as recited in claim 10, wherein said finger trigger has a W-shape to form a W-shaped gripping surface for allowing a user's fingers to fittedly grip thereon.
16. A foldable stroller, as recited in claim 4, wherein said turn switch further comprises a driving member coupled with said turning handle and said elongated element is attached to said driving member, wherein said driving member has at least a protrusion outwardly extended and engaged with said turning handle so as to ensure said turning handle to drive said central shaft to rotate.
17. A foldable stroller, as recited in claim 6, wherein said turn switch further comprises a driving member coupled with said turning handle and said elongated element is attached to said driving member, wherein said driving member has at least a protrusion outwardly extended and engaged with said turning handle so as to ensure said turning handle to drive said central shaft to rotate.
18. A foldable stroller, as recited in claim 9, wherein said turn switch further comprises a driving member coupled with said turning handle and said elongated element is attached to said driving member, wherein said driving member has at least a protrusion

outwardly extended and engaged with said turning handle so as to ensure said turning handle to be rotated with respect to said central shaft.

19. A foldable stroller, as recited in claim 10, wherein said turn switch further comprises a driving member coupled with said turning handle and said elongated element
5 is attached to said driving member, wherein said driving member has at least a protrusion outwardly extended and engaged with said turning handle so as to ensure said turning handle to be rotated with respect to said central shaft.

20. A foldable stroller, as recited in claim 15, wherein said turn switch further comprises a driving member coupled with said turning handle and said elongated element
10 is attached to said driving member, wherein said driving member has at least a protrusion outwardly extended and engaged with said turning handle so as to ensure said turning handle to be rotated with respect to said central shaft.